



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

RB910-0002-9
Job Sheet 169597



Part No: RB910-0002-9

Job Qty: 1 ea

Part Name: Hose End



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 12/14/17

Job Tracking No:

Due Date: 12/15/17

Created By: Marie Lajeunesse

Type: Stock

Description:

Customer: Production Tool & Technology (CPROD02)

8410 Feagin Road Macon, GA, 31216 USA ph:(478) 781-8415 fx:(478) 781-0850.

Note: DWG RB910-0002 Rev F IPP Rev A 17.12.05 New issue DP Verify DD/IPP Rev B 17.12.14 Re-draw DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		12/14/17	0.00	0.00	Start Up Machining-3		SL 17-12-16
110	CNC Lathe	1 pcs		12/15/17	0.00	0.10	MORI SL-154		SL 17-12-16
120	QC	1 pcs		12/15/17	0.00	0.00	QC2 Machining-4		SL 17-12-16
130	QC	1 pcs		12/15/17	0.00	0.00	QC8 Machining-4		SL 17-12-16
140	Packaging	1 pcs		12/15/17	0.00	0.00	Packaging3-1		SB
150	QC21-SA	1 Ea		12/15/17	0.00	0.00	QC21		

Part Op 90 - See engineering for press fit tolerance sign off.

Descriptions: 110 - 1-Machine as per DWG. FB693 FOLIO REV: AA DWG REV: F 2-Debur

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	M6061T6R0.500	0	20	0	0

5014802

-31

Part Specifications

Specifications could not be found.

Plex 12/14/17 1:33 PM Dart.lajeunesse.marie

131 outsource
132 Packaging 2
133 QC G.

Issue PO to ATG

Anodize clear Per IAW MIL-A-8625F
Type 2 Class 2, Water Seal

18-1-12 m.f.

/ UPDATE

Work Order update only ☐

AGAINST DEPARTMENT/PROCESS

☐	Cross tube	☐	Water Jet	☐	Engineering	☐
☐	Small Fab	☐	Prod. Eng. Coord.	☐	Quality	☐
☐	Finishing	☐	Rec/Store/Packaging	☐	Other	☐
☐	Composite	☐	Supplier	☐		☐

tive :

MRB (QSI042) Approval

Disposition

Completed By

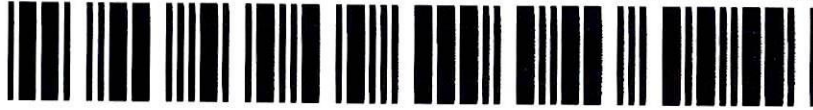
Lead hand / Supervisor
Approval Verification

PART NO:
Revision:
Operation:
Change No:

Outsource

RB910-0002-9

Mfg Date: 12/16/17
Job No: 169597



Hose End

DART
AEROSPACE
S023580

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Mfg Date: 12/16/17
Job No: 169597

Start up Operation

RB910-0002-9

PART NO:
Revision:
Operation:
Change No:

Hose End



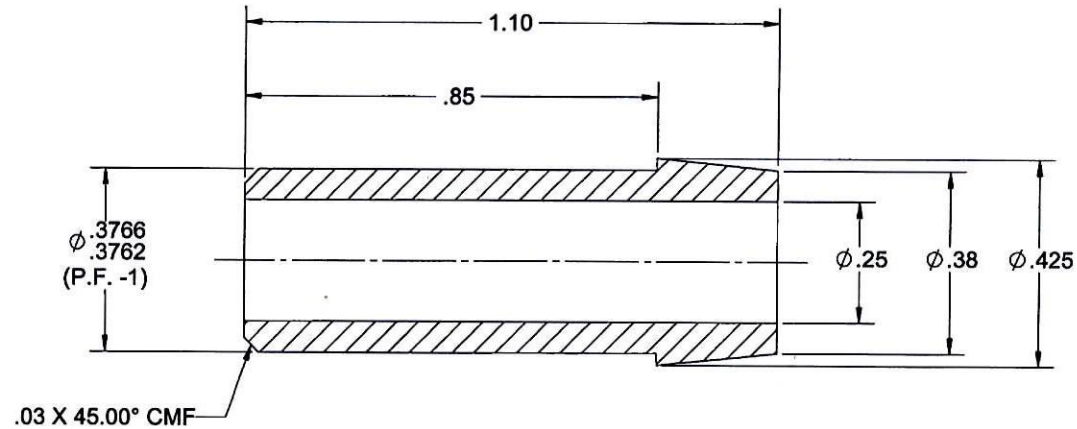
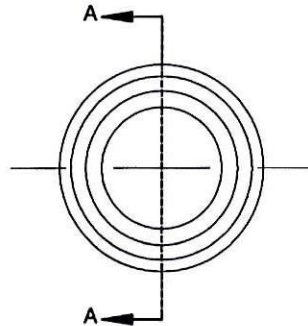
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DART
AEROSPACE
S023580

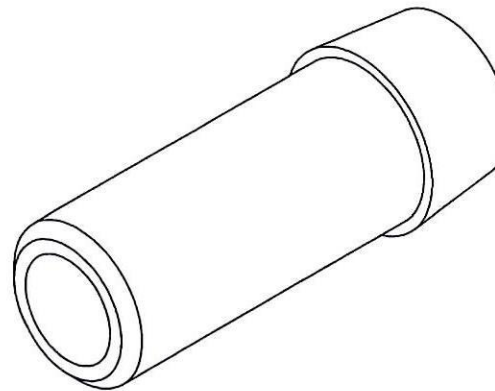
Root Cause

Environment	☐	No Re-verification	☐	Pressure/Forced	☐
Design	☐	Operator	☐	Bending	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐
Material	☐	Use for Testing	☐	Cuffs	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐
Past Expiry Date	☐	Manufacturing Process	☐		
Misidentified	☐	Past Due	☐	OTHER :	☐

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
F	.3766/.3762 WAS .375 +/- .005	17-780	17.12.12	VM	ML



SECTION A-A



RB910-0002-9 HOSE END

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 169597 HCS
17-12-14

- NOTES:
- 1) MATERIAL: 6061-T6
 - 2) HEAT TREAT: N/A
 - 3) FINISH: CLEAR ANODIZE
 - 4) SPEC: MIL-A-8825, TYPE II, CLASS 1; WATER SEALANT
 - 5) BREAK SHARP EDGES .015 x 45° OR .015R
 - 6) IDENTIFICATION: N/A

DART AEROSPACE Hawkesbury, Ontario, Canada	
TITLE HOSE END	
PART NO. RB910-0002-9	REV F
TOOL NO. RB910-0002	
INITIALS AND DATE	
DESIGNED BY: VM 17/12/05	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES INTERPRET PER ASME Y14.5M-2009 DIMENSIONS APPLY AFTER FINISHING
DRAWN BY: VM 12/12/2017	TOLERANCES: XXX ± .005 FRACTIONS ± 1/8 XX ± .01 ANGLES ± .5° X ± .1 SURFACE ROUGHNESS
CHECKED BY: MJ2/12/2017	
MFG REVIEW BY: JFC 12/12/2017	
APPROVED BY: M 12/12/2017	SCALE: NTS SHEET 3 OF 4
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DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					



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Canada

Tel (613) 632-5200

PURCHASE ORDER PO038682

Items

Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
27	168828	RBW6705G02631-3G-1	CLASS 1 WATER SEAL -Certificate of Conformity is required Lever Rigging Fork, T/R Actuator CLEAR ANODIZE (RED BARN) -Issue P/O to ATG: -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Certificate of Conformity is required	Firmed	1/17/18	1 pcs	0 pcs	1 pcs	\$6.20/pcs	\$6.20
28	168800	RBW6505G00831-3G-23	Bar -Issue P/O to ATG: -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1 WATER SEAL -Certificate of Conformity is required	Firmed	1/17/18	1 pcs	0 pcs	1 pcs	\$6.20/pcs	\$6.20
29	169448	RBW6505G00831-3G-25	Mount Plate -Issue P/O to ATG: -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Certificate of Conformity is required	Firmed	1/17/18	1 pcs	0 pcs	1 pcs	\$6.20/pcs	\$6.20
30	169516	RBW109-3101-58-2-3	Hammer Head -Issue P/O to ATG: -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Certificate of Conformity is required	Firmed	1/17/18	1 pcs	0 pcs	1 pcs	\$6.20/pcs	\$6.20
31	169327	RB T102103-5	Retainer -Issue P/O to ATG: -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1 WATER SEAL -Certificate of Conformity is required	Firmed	1/17/18	2 pcs	0 pcs	2 pcs	\$6.20/pcs	\$12.40
32	169597	RB910-0002-9	Hose End -Issue P/O to ATG: -ANODIZE COLOR	Firmed	1/17/18	1 pcs	0 pcs	1 pcs	\$6.20/pcs	\$6.20



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 914403

Date: 11-Jan-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chantal Lavoie
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		OUR TRUCK	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
1 ea	Part: RBW109-3101-58-1-7 Handle Blue Anodize per MIL-A-8625F, Type II, Class 2, .0004-.0010" (.4 - 1 mils), Water Sealant Job: 22212		Rev: 3 PO: PO038682 Line: 24
1 ea	Part: RBW109-3101-58-2-7 Handle Clear Anodize per MIL-A-8625F, Type II, Class 1, .0004-.0010" (.4 - 1 mils), Water Sealant Job: 22213		Rev: 3 PO: PO038682 Line: 25
3 ea	Part: RBW6705G02431-3G-1 Level Rigging Fork Clear Anodize per MIL-A-8625F, Type II, Class 1, .0004-.0010" (.4 - 1 mils), Water Sealant Job: 22214		Rev: 1B PO: PO038682 Line: 26
1 ea	Part: RBW6705G02631-3G-1 Level Rigging Fork, T/R Actuat Clear Anodize per MIL-A-8625F, Type II, Class 1, .0004-.0010" (.4 - 1 mils), Water Sealant Job: 22215		Rev: 1A PO: PO038682 Line: 27
2 ea	Part: RB910-0002-9 Hose End Clear Anodize per MIL-A-8625F, Type II, Class 1, .0004-.0010" (.4 - 1 mils), Water Sealant Job: 22220		Rev: F PO: PO038682 Line: 32
2 ea	Part: RB910-0002-1 Quill		Rev: F
Made in Canada.			



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 914403

Date: 11-Jan-18

Dart Aerospace Ltd
270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chantal Lavoie
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms

Ship Via

OUR TRUCK

Quantity

Description

Clear Anodize per MIL-A-8625F, Type II, Class 1, .0004-.0010" (.4 - 1 mils), Water
Sealant
Job: 22222 PO: PO038682 Line: 34

CERTIFICATE OF CONFORMANCE

A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements.

Date:

Certified Signature:

Receiver Signature:

A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited.

Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.

Made in Canada.